

```

PPPPPPPPPPPPP  AAAA        SSSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPPP  AAAA        SSSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTTTT  LLL
PPPPPPPPPPPPP  AAAA        SSSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTTTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP    PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPPPPPPPPPPPP  AAA  AAA  SSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPPPPPPPPPPPP  AAA  AAA  SSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPPPPPPPPPPPP  AAA  AAA  SSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPP  AAAAAAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP  AAAAAAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP  AAAAAAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP  AAA  AAA  SSSSSSSSSSS  RRR  RRR  TTT  LLL
PPP  AAA  AAA  SSSSSSSSSSS  RRR  RRR  TTT  LLL
PPP  AAA  AAA  SSSSSSSSSSS  RRR  RRR  TTT  LLL

```

PPPPPPPP	AAAAAA	SSSSSSS	FFFFFFF	VV	VV	IIIIII	NN	NN	PPPPPPPP	UU	
PPPPPPPP	AAAAAA	SSSSSSS	FFFFFFF	VV	VV	IIIIII	NN	NN	PPPPPPPP	UU	
PP	PP	AA	AA	SS	FF	VV	VV	II	PP	UU	
PP	PP	AA	AA	SS	FF	VV	VV	II	PP	UU	
PP	PP	AA	AA	SS	FF	VV	VV	II	PP	UU	
PP	PP	AA	AA	SS	FF	VV	VV	II	PP	UU	
PPPPPPPP	AA	AA	SSSSSS	FFFFFF	VV	VV	II	NN	NN	PPPPPPPP	UU
PPPPPPPP	AA	AA	SSSSSS	FFFFFF	VV	VV	II	NN	NN	PPPPPPPP	UU
PP	AAAAAAAAAA		SS	FF	VV	VV	II	NN	NNNN	PP	UU
PP	AAAAAAAAAA		SS	FF	VV	VV	II	NN	NNNN	PP	UU
PP	AA	AA	SS	FF	VV	VV	II	NN	NN	PP	UU
PP	AA	AA	SS	FF	VV	VV	II	NN	NN	PP	UU
PP	AA	AA	SSSSSSS	FF	VV	VV	IIIIII	NN	NN	PP	UUUUUUUUUU
PP	AA	AA	SSSSSSS	FF	VV	VV	IIIIII	NN	NN	PP	UUUUUUUUUU

LL	IIIIII	SSSSSSS
LL	IIIIII	SSSSSSS
LL	II	SS
LLLLLLLL	IIIIII	SSSSSSS
LLLLLLLL	IIIIII	SSSSSSS

```
1 0001 0 MODULE PAS$FV_INPUT ( XTITLE 'File Variable INPUT'
2 0002 0 IDENT = '1-001' ) = ! File: PASFVINPU.B32 Edit: SBL1001
3 0003 0
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****+
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 *
26 0026 1 *
27 0027 1 *****+
28 0028 1 !
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: VAX-11 Pascal Run-Time Library
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains the global Pascal File Variable INPUT (PFV),
36 0036 1 along with its associated Pascal File Descriptor (PFD) block.
37 0037 1 This variable is referenced by VAX-11 Pascal programs as the
38 0038 1 file INPUT.
39 0039 1
40 0040 1 ENVIRONMENT: Contains no code.
41 0041 1
42 0042 1 AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
43 0043 1
44 0044 1 MODIFIED BY:
45 0045 1
46 0046 1 1-001 - Original. SBL 1-April-1981
47 0047 1 --
48 0048 1 --
```

```
50      0049 1 %SBTTL 'Declarations'  
51      0050 1  
52      0051 1 PROLOGUE DEFINITIONS  
53      0052 1  
54      0053 1  
55      0054 1 REQUIRE 'RTLIN:PASPROLOG';           . Externals, linkages, PSECTs, structures  
56      0118 1  
57      0119 1  
58      0120 1 MACROS:  
59      0121 1     NONE  
60      0122 1  
61      0123 1  
62      0124 1 EQUATED SYMBOLS:  
63      0125 1     NONE  
64      0126 1  
65      0127 1  
66      0128 1 FIELDS:  
67      0129 1     NONE  
68      0130 1  
69      0131 1  
70      0132 1 OWN STORAGE:  
71      0133 1  
72      0134 1  
73      0135 1 OWN  
74      0136 1     !+  
75      0137 1     !- First define PFD block so that it can be referenced by the PFV.  
76      0138 1  
77      0139 1  
78      0140 1 PFD_INPUT: BLOCK [PFD$K_SIZE+%CHARCOUNT('INPUT'), BYTE]  
79      0141 1     FIELD (PFD$FIELDS) PSECT (_PASS$CODE)  
80      0142 1     PRESET (  
81      0143 1     [PFD$V_TEXT] = 1,  
82      0144 1     [PFD$V_EXTERN] = 1,  
83      0145 1     [PFD$V_STATIC] = 1,  
84      0146 1     [PFD$L_LENGTH] = 1,  
85      0147 1     [PFD$T_NAME] = %CHARCOUNT('INPUT'),  
86      0148 1     [PFD$B_NAME1] = %C'I',  
87      0149 1     [PFD$B_NAME2] = %C'N',  
88      0150 1     [PFD$B_NAME3] = %C'P',  
89      0151 1     [PFD$B_NAME4] = %C'U',  
90      0152 1     [PFD$B_NAME5] = %C'T'  
91      0153 1     );  
92      0154 1  
93      0155 1     !+  
94      0156 1     ! Define file buffer for INPUT.  
95      0157 1     !-  
96      0158 1  
97      0159 1 OWN  
98      0160 1     BUFFER_INPUT: BYTE;  
99      0161 1  
100     0162 1     !+  
101     0163 1     ! Now define the global file variable. Unlike the PFD, the PFV is writeable.  
102     0164 1     ! Put it in a special PSECT that sorts before _PASS$DATA.  
103     0165 1     !-  
104     0166 1  
105     0167 1 PSECT  
106     0168 1     NODEFAULT = _PASS$FILE_VARS (READ, WRITE, NOEXECUTE, NOSHARE, PIC,
```

```

107 0169 1      ADDRESSING_MODE (LONG_RELATIVE));
108 0170 1
109 0171 1 GLOBAL
110 0172 1      PASS$FV INPUT: $PAS$PFV_FILE_VARIABLE PSECT (_PAS$FILE_VARS)
111 0173 1      PRESET (
112 0174 1          [PFV$B_VERSION] = PFV$K_CUR_VERSION,
113 0175 1          [PFV$V_REL_PFD] = 1,
114 0176 1          [PFV$A_PFD] = (PFD_INPUT - PASS$FV_INPUT),
115 0177 1          [PFV$V_REL_BUF] = 1,
116 0178 2          [PFV$A_BUFFER] = (BUFFER_INPUT - PASS$FV_INPUT)
117 0179 1      );
118 0180 1
119 0181 1      !+
120 0182 1      ! Define enough bytes of storage space to pad PASS$FV INPUT to 32 bytes.
121 0183 1      ! This is so that it can be expanded to 32 bytes without affecting its
122 0184 1      ! location in the vector.
123 0185 1      !-
124 0186 1
125 0187 1      OWN
126 0188 1      PAD_SPACE: VECTOR [32-PFV$K_SIZE, BYTE] PSECT (_PAS$FILE_VARS);
127 0189 1
128 0190 1      END
129 0191 1
130 0192 0      ELUDOM

```

.TITLE PASS\$FV INPUT File Variable INPUT
.IDENT \1-001\

.PSECT _PAS\$FILE_VARS,NOEXE, PIC,2

00000000* 00000 PASS\$FV_INPUT::
 00 00004 .LONG <BUFFER_INPUT-PASS\$FV_INPUT>
 00# 00005 .BYTE 0
 18 00007 .BYTE 0[2]
00000000* 00008 .BYTE 24
 0000C .LONG <PFD_INPUT-PASS\$FV_INPUT>
 00010 PAD_SPACE:
 .BLKB 4
 .BLKB 16

.PSECT _PAS\$DATA,NOEXE, PIC,2

00000 BUFFER_INPUT:

.BLKB 1

.PSECT _PAS\$CODE,NOWRT, SHR, PIC,2

00# 00000 PFD_INPUT:

.BYTE 0[4]
 61 00004 .BYTE 97
 00# 00005 .BYTE 0[3]
 00000001 00008 .LONG 1
 54 55 50 4E 49 05 0000C .BYTE 5, 73, 78, 80, 85, 84

PSECT SUMMARY

Name	Bytes	Attributes
PASSCODE	18	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
PASSDATA	1	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON, PIC,ALIGN(2)
PASSFILE_VARS	32	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	-----	Symbols	-----	Pages	Processing
	Total	Loaded	Percent	Mapped	Time
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:00.9
\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	43	10	33	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:PASFVINPU/OBJ=OBJ\$:PASFVINPU MSRC\$:PASFVINPU/UPDATE=(ENH\$:PASFVINPU
)

Size: 0 code + 51 data bytes
Run Time: 00:03.5
Elapsed Time: 00:17.1
Lines/CPU Min: 3263
Lexemes/CPU-Min: 14158
Memory Used: 36 pages
Compilation Complete

0294 AH-BT13A-SE
VAX/VMS V4.0

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PASCUTRT
LIS

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LIS

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LIS

PASFILEUT
LIS

PASDELETE
LIS

PASFAB
LIS

PASEOLN2
LIS

PASFINDK
LIS

PASFVINPU
LIS

PASFIND2
LIS

PASFVOUTP
LIS

PASGET
LIS

PASGOTO
LIS

PASHALT
LIS

PASHANDLE
LIS

PASHEAP
LIS